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Remarks:

Reconsideration of the application is respectfully requested.

Claims 1-6, 9-23, 25-38, 40-56 and 58-65 are presently pending in the application. Claims 1, 6, 9, 15, 25, 26, 31, 40, 47, 58, 59 have been amended. Claims 7, 8, 24, 39 and 57 have been canceled. Claims 64 and 65 have been added.

Under the heading "Claims Objection" on page 2 of the Office Action, the Examiner asks in regards to claims 13, 28, 44 and 61 if the recitation of first and second communications channels is proper in lines 3 and 7 of the respective claims or are they reversed. The claims are believed to be proper. The Examiner is drawn to Fig. 4 which has first sections 9a, 9b, second sections 10a, 10b, a first communications channel 10a, 9a (clockwise) and a second communications channel 10b, 9b (counter clockwise). The first receiver 11 is indeed connected in the second communications channel. The second receiver 15 is indeed connected in the first communications channel.

Under the heading "Claims Rejection - 35 USC § 102" on pages 2-6 of the Office Action, claims 1, 7, 12-14, 31, 34, 35, 43-47, 50, 51, 55, and 60-63 were rejected under 35 U.S.C. § 102(e) as allegedly being fully anticipated by U. S. Patent No. 6,657,952 to Shiragaki et al (hereinafter Shiragaki).

In items 4 and 5 on pages 7-12 of the Office Action, claims 2-6, 15-22, 27-30, 32, 33, 36-38, 48-49 and 52-54 were rejected under 35 U.S.C. § 103 as allegedly being obvious over Shiragaki alone or in combination with U. S. Patent Publication No. 2003/0206527 to Yim (hereinafter Yim).

In view of the Examiner's statements in item 6, on page 12 of the Office Action that claims 8-11, 23-26, 39-42 and 56-59 were allowable the below described claim combinations were formed for overcoming the rejections.

The features of claims 7 and 8 have been incorporated into claim 1. Claims 7 and 8 were canceled.

The features of claim 1 were incorporated into claim 9 and claim 9 is now in independent form.

The features of claim 24 were incorporated into claim 15. Claim 24 has been canceled.

The features of claim 39 were incorporated into claim 31. Claim 39 was canceled. Some less substantial features of original claim 31 were deleted.

The features of claim 57 were incorporated into claim 47. Claim 57 was canceled. Some less substantial features of original claim 47 were deleted.

Various other claims were amended in light of the canceled claims or to correct minor errors noted in the claim language.

Claim 64 is new and is based on original claim 1 with the additional feature of "a single wire, bi-directional communications bus" allowing bi-directional transmission of communication information. It is noted that both Shiragaki and Yim teach multiple wired, single directional buses and therefore cannot anticipate or read on new claim 64. A single wire, bi-directional bus is less expensive to manufacture than a multi-wired single directional bus.

New claim 65 recites the feature of transmitting the same information in both directions simultaneously as discussed on page 17, lines 4-12 of the specification of the instant application. Neither Shiragaki nor Yim teach this capability. In addition, Shiragaki teaches transmitting only in one direction until an error is detected and then transmitting in the other direction after the detection of an error.

Please find enclosed a credit card authorization in the amount of \$400.00 for the additional independent claims

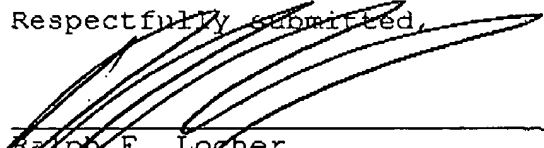
It is accordingly believed that none of the references, whether taken alone or in any combination, teach or suggest the features of claims 1, 9, 15, 31, 47 and 64. Claims 1, 9, 15, 31, 47 and 64 are, therefore, believed to be patentable over the art. The dependent claims are believed to be patentable as well because they all are ultimately dependent on claims 1, 9, 15, 31, 47 or 64.

In view of the foregoing, reconsideration and allowance of claims 1-6, 9-23, 25-38, 40-56 and 58-65 are solicited.

If an extension of time for this paper is required, petition for extension is herewith made.

Please charge any fees that might be due with respect to Sections 1.16 and 1.17 to the Deposit Account of Lerner Greenberg Stemer LLP, No. 12-1099.

Respectfully submitted,



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